

FIG. 3

162a	PHYSICAL DISK MANAGEMENT TABLE					
	DISK NUMBER	VOLUME	RAID	USING STATE		
	#001	100GB	5	USED		
	#002	100GB	5	USED		
	#003	100GB	5	USED		
	#004	100GB	5	USED		
	#005	100GB	5	USED		
	#006	50GB	_	NOT USED		
	:	:	:	:		

FIG. 4

LUMANAGEMENT TARLE

100h	LO MANAGEMENT TABLE							
162b	LU NUMBER PHYSICAL DISK		VOLUME	RAID				
	#1	#001,#002,#003,#004,#005	100GB	5				
	#2	#001,#002,#003,#004,#005	300GB	5				
	#3	#006,#007	200GB	1				
	:	:						

FIG. 5

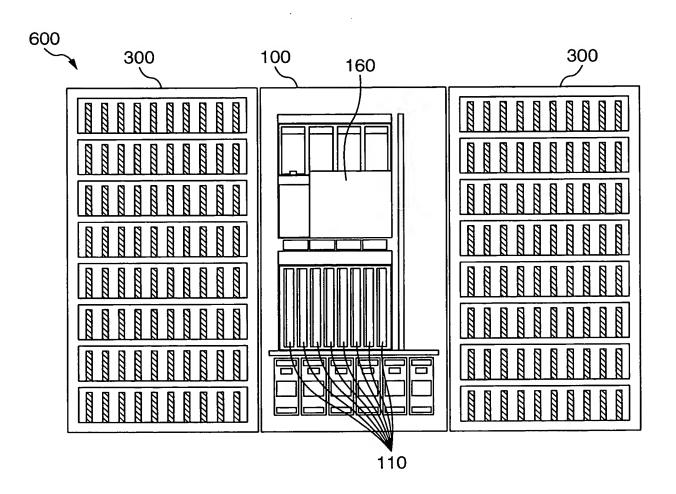


FIG. 6

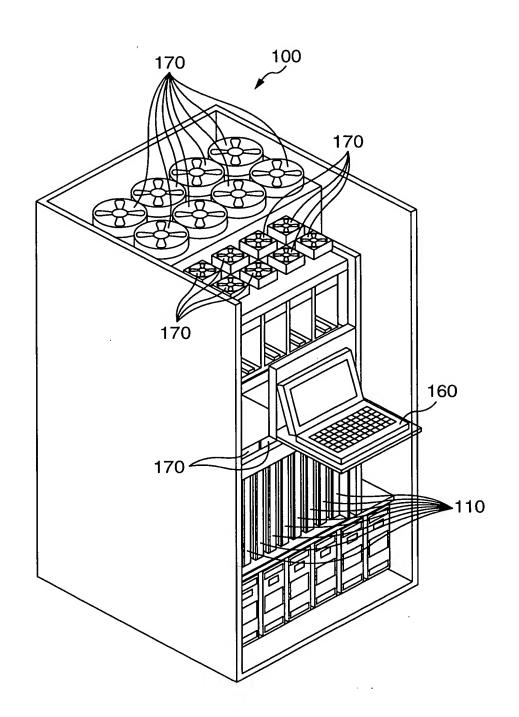


FIG. 7

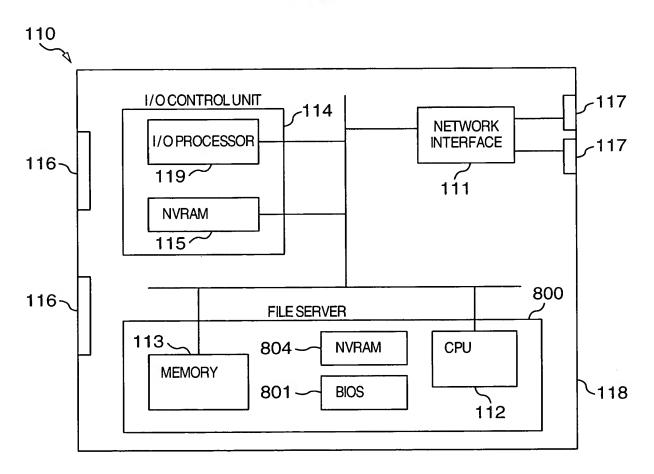


FIG. 8

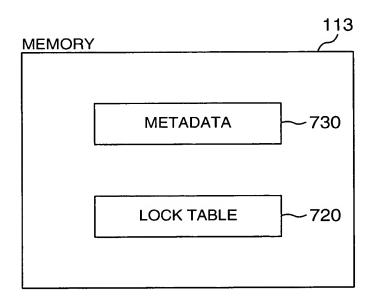


FIG. 9

METADATA

FILE NAME	HEAD ADDRESS	VOLUME	OWNER	UPDATE TIME
Α	7BSA	200MB	Х	0:00
В	05BF	50MB	Х	7:57
С	1F30	100MB	Y	9:15
D	470B	100MB	Z	15:20
:	:	:	:	:

FIG. 10A

FIG. 10B

FILE LOCK TABLE

FILE NAME	LOCKING STATE		
А	LOCKED		
В	-		
С	-		
D	LOCKED		
:	:		

LU LOCK TABLE

LU	LOCKING STATE
SHARED	_
1	LOCKED
2	_
:	:

FIG. 11

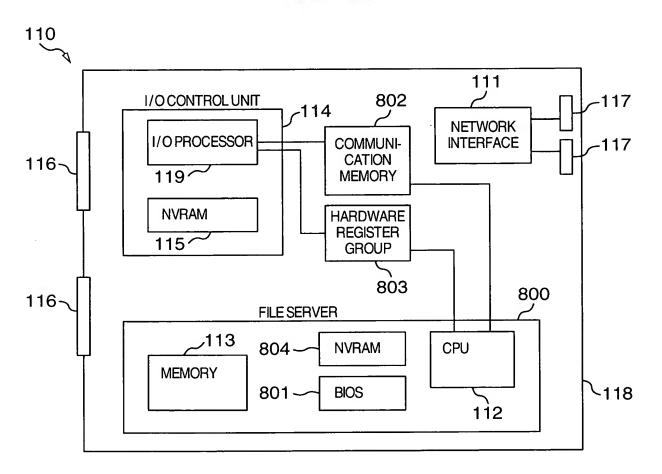


FIG. 12

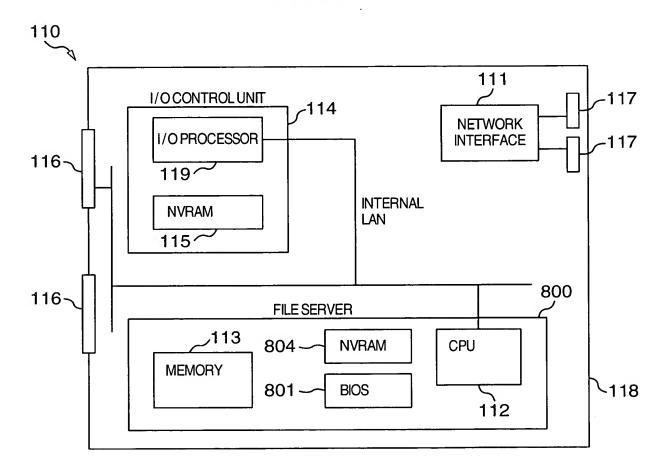


FIG. 13

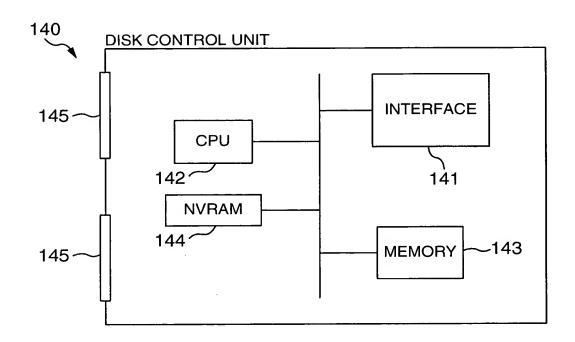


FIG. 14

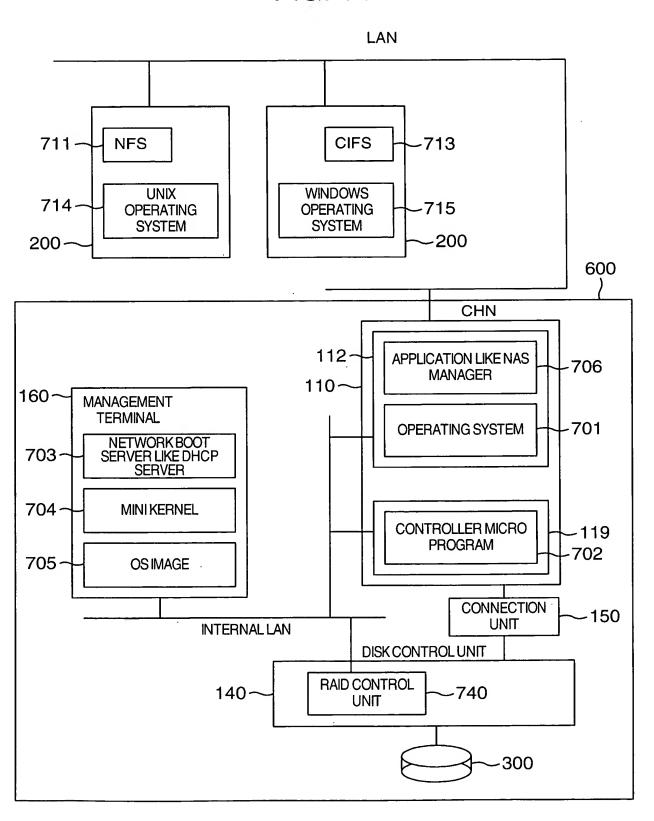


FIG. 15

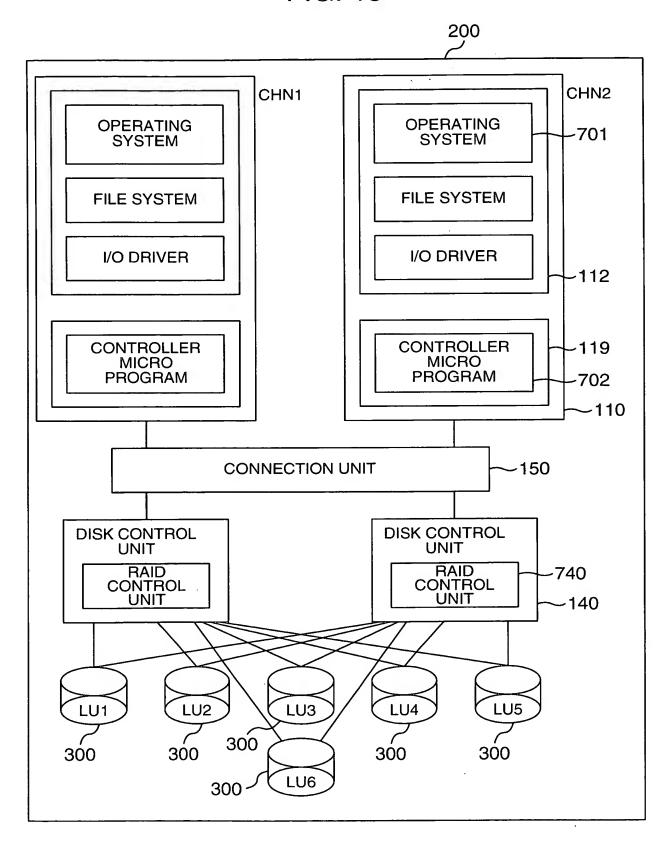


FIG. 16

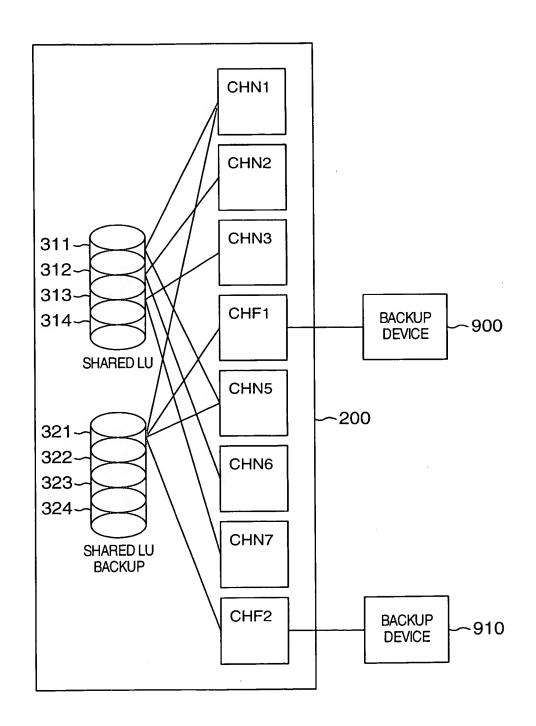


FIG. 17

NUMBER	OPERATING SYSTEM (CHN1)	IO PROCESSOR (CHN1)	OPERATING SYSTEM (CHN5)	IO PROCESSOR (CHN5)	management Terminal	SHAREDLU	SHARED LU BACKUP	EXTERNAL BACKUP DEVICE (TAPE, ANOTHER STORAGE DEVICE)
					INDICATE TO INITIALIZE SHARED LU ON LOGICAL LEVEL	f		
?						INITIALIZE SHARED LU ON LOGICAL LEVEL		
3					INDICATE TO INITIALIZE SHARED LU BACKUP LOGICAL			
+					LEVEL	A	INITIALIZE SHARED LU BACKUP ON LOGICAL LEVEL	
5		4			INDICATE TO DEFINE PATH TO SHARED LU		LOGIOPETETE	
5		DEFINE PATH TO SHARED LU		DEFINE PATH TO SHARED LU				
7		4			INDICATE TO DEFINE PATH TO SHARED LU BACKUP			
3	· · · · · · · · · · · · · · · · · · ·	DEFINE PATH TO SHARED LU BACKUP		DEFINE PATH TO SHARED LU BACKUP				
9					INDICATE TO INSTALL OPERATING SYSTEM TO CHN1 THROUGH NETWORK			
10	START INSTALL OF OPERATING SYSTEM THROUGH NETWORK							
11	INITIALIZE SHARED LU ON OPERATING SYSTEM LEVEL AND CREATE PARTITIONS FOR ALL CHNS							
12					>	INITIALIZE SHARED LU ON OPERATING SYSTEM LEVEL AND CREATE PARTITIONS FOR ALL CHNS		
13	INITIALIZE SHARED LU BACKUP ON OPERATING SYSTEM LEVEL AND CREATE PARTITIONS FOR ALL CHINS							
14							INITIALIZE SHARED LU ON OPERATING SYSTEM LEVEL AND CREATE PARTITIONS FOR ALL CHNS	
15	CREATE FILE SYSTEM ON SHARED LU							
16						CREATE FILE SYSTEM TO BE SHARED BY CHN1 AND CHN5		
17	CREATE FILE SYSTEM ON SHARED LU BACKUP							
18							CREATE FILE SYSTEM TO BE SHARED BY CHN1 AND CHN5	
19	NOTIFY COMPLETION OF INSTALL OF OPERATING SYSTEM THROUGH NETWORK							
20					NOTICE OF COMPLETION OF INSTALL OF OPERATING SYSTEM THROUGH NETWORK IS RECEIVED			
21	-				INDICATE TO INSTALL OPERATING SYSTEM IN CHISTHROUGH NETWORK			
22	<u> </u>		START INSTALL OF OPERATING SYSTEM THROUGH NETWORK					
23			NOTIFY COMPLETION OF INSTALL OF OPERATING SYSTEM THROUGH NETWORK					
24					NOTICE OF COMPLETION OF INSTALL OF OPERATING SYSTEM THROUGH NETWORK IS RECEIVED	1		

FIG. 18

SEQUENCE	OPERATING SYSTEM (CH1)	VO PROCESSOR (CHN1)	OPERATING SYSTEM (CHN5)	VO PROCESSOR (CHN5)	MANAGEMENT TERMINAL	SHAREDLU	SHARED LU BACKUP	EXTERNAL BACKUP DEVICE (TAPE, ANOTHER STORAGE DEVICE)
1			START NORMAL PROCESS					
2	MOUNT FLE SYSTEM_ OF SHARED LU	=				$\overline{}$		
3	MOUNT OF FILE SYSTEM OF SHARED	4					···	
4	LUIS COMPLETED START NORMAL		 					
	PROCESS							
5	WRITECLIENT INFORMATION, USER, INFORMATION, USER, INFORMATION, SERVICE OPERATING INFORMATION, AND DAEMON OPERATING INFORMATION IN SHARED LU					-		
6			MONITOR OPERATING STATE OF CHN1					
			STATEOFCHNI					
7	WRITECLIENT INFORMATION, USER — INFORMATION, SERVICE OPERATION INFORMATION, AND DAEMON OPERATION INFORMATION IN SHARED LU					-		
8	+		MONITOR OPERATING STATE OF CHN1					
9	WRITE CLIENT INFORMATION, USER — INFORMATION, SERVICE OPERATION INFORMATION, AND DAEMON OPERATION INFORMATION IN SHARED LU					-		
10	FALURE TAKES PLACE IN CHIN1 (SERVICE TO CLIENT IS INTERRUPTED)							
11			MONITOR OPERATING STATE OF CHN1					
12		-	OCCURRENCE OF FAILURE IN CHIN1 IS DETECTED			-		
13		··········	MOUNT FILE SYSTEM_ IN SHARED LU					
14			MOUNT OF FILE SYSTEM IN SHARED < LU IS COMPLETED	•		\vdash		
15			START OPERATION WITH CLIENT NFORMATION, USEN NFORMATION, SERVICE OPERATION NFORMATION, AND DAEMON OPERATION NFORMATION OF SHAPED LIJ AND START SERVICE TO CLIENT					

FIG. 19

